

PUBLIC CONSULTATION

Proposed Wind Turbine at North Farm, Thorpe-le-Street, East Yorkshire

THE SITE

Mr Richard Morley is submitting a planning application to replace the existing wind turbine at North Farm, Thorpe-le-Street, East Yorkshire.

The existing turbine will be replaced with a new turbine, sited approximately 15m north (see red star across), within the same field.

THE PROPOSAL

The proposed 'repowering' will replace the existing wind turbine with a more powerful and efficient turbine that uses the latest technology.

The proposed turbine will measure 89.9m (tip height) and be situated within the same field as the existing model.

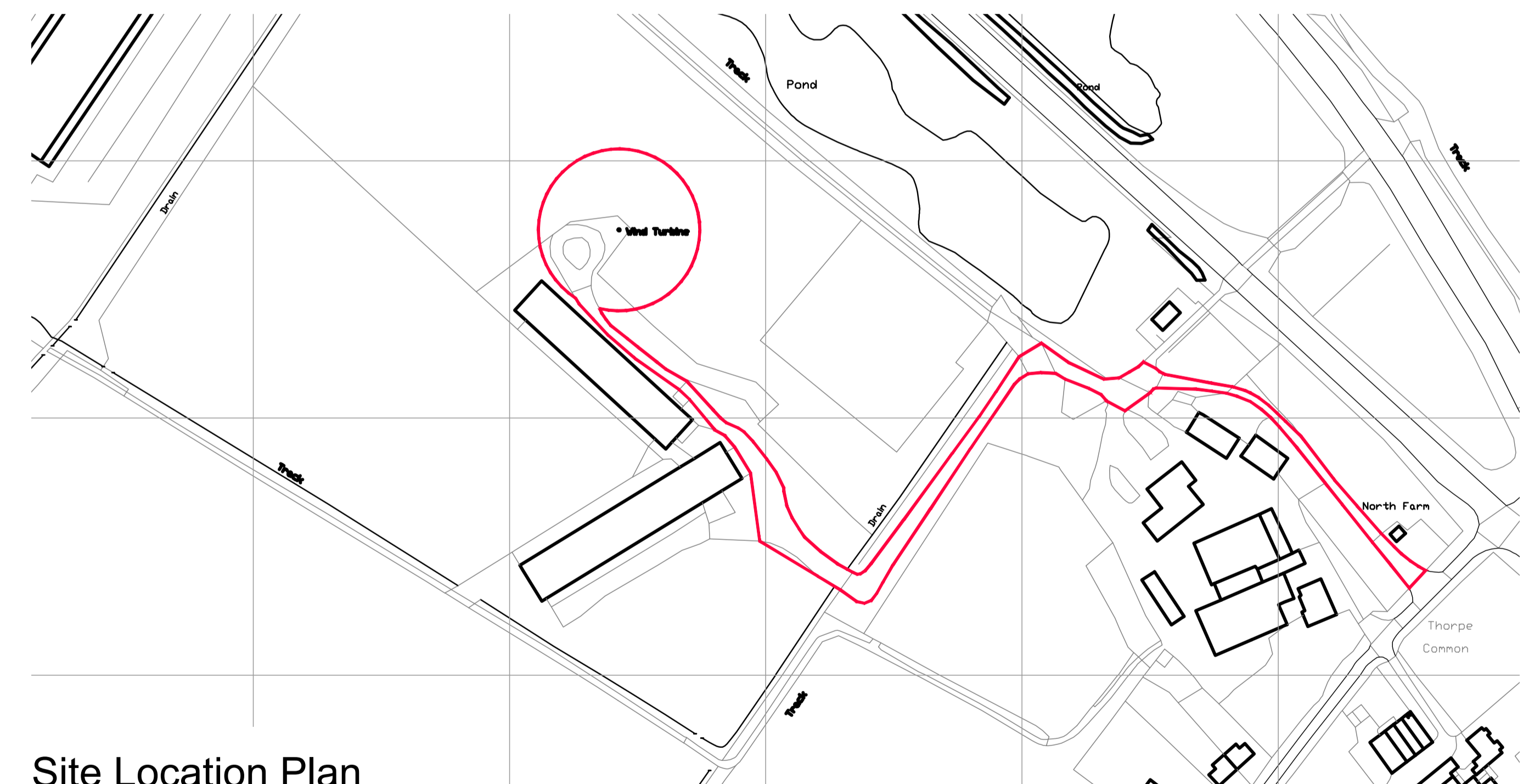
The proposed turbine will have capacity to generate up to 1MW of energy, which will significantly reduce the farms carbon footprint and enhance onsite energy resilience.

Furthermore, within the current economic climate, the diversification of energy generation and usage will ensure the long-term sustainability of the business.

The existing access will be utilised for installation and maintenance purposes.



Site Location



Site Location Plan

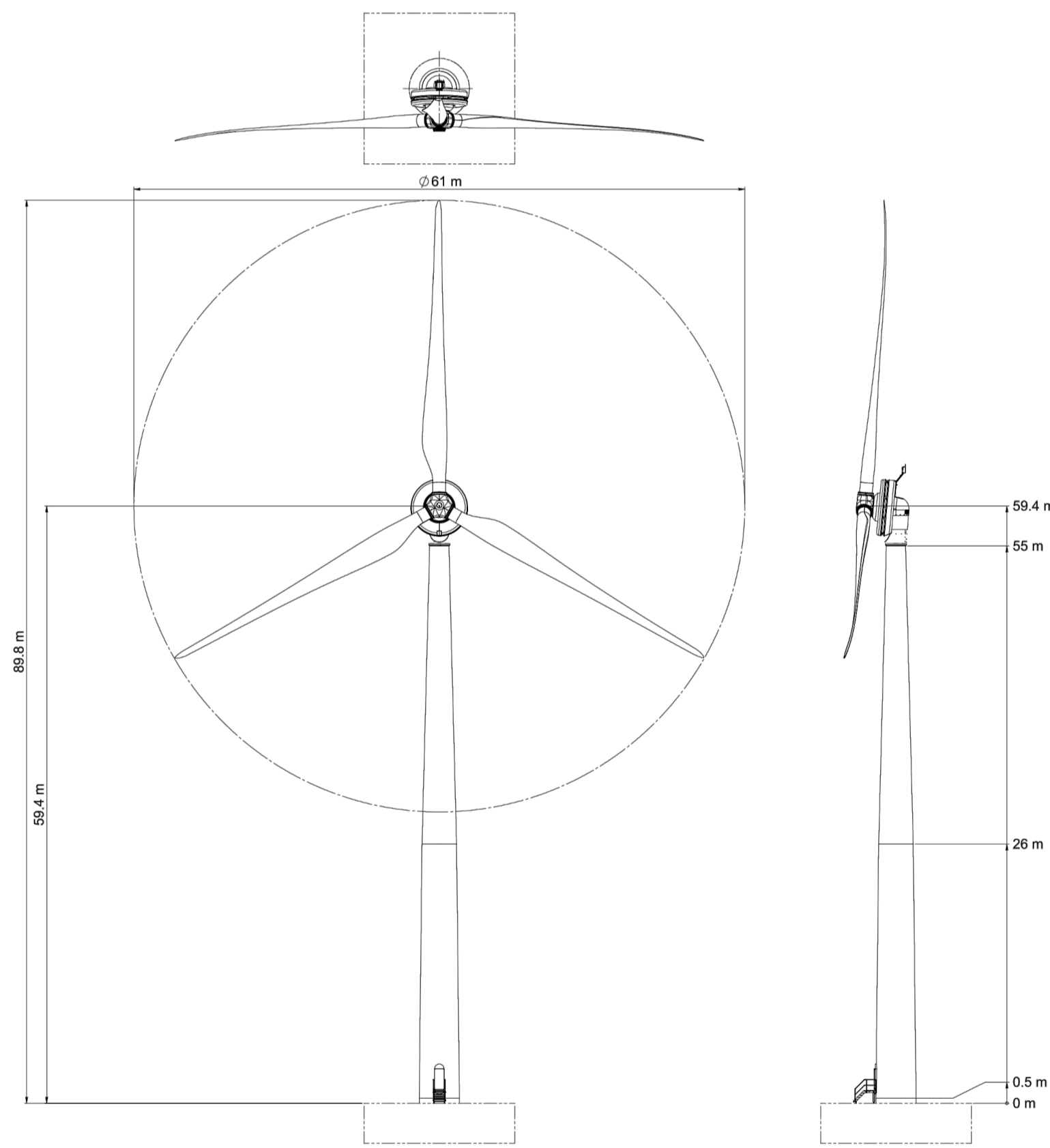
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LANDSCAPE PHOTOMONTAGE

An assessment of the landscape and visual impact has been undertaken to ensure the proposed wind turbine can be accommodated in the landscape.

The photomontages (right) demonstrate one viewpoint towards the proposed turbine before and after installation.



Turbine Plan Details

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ACCESS ROUTE

The site plan (right) shows the access route; it will involve temporarily closing one lane of the A1079 (oncoming traffic into Shiptonthorpe) and crossing the central reservation before turning right into the site.

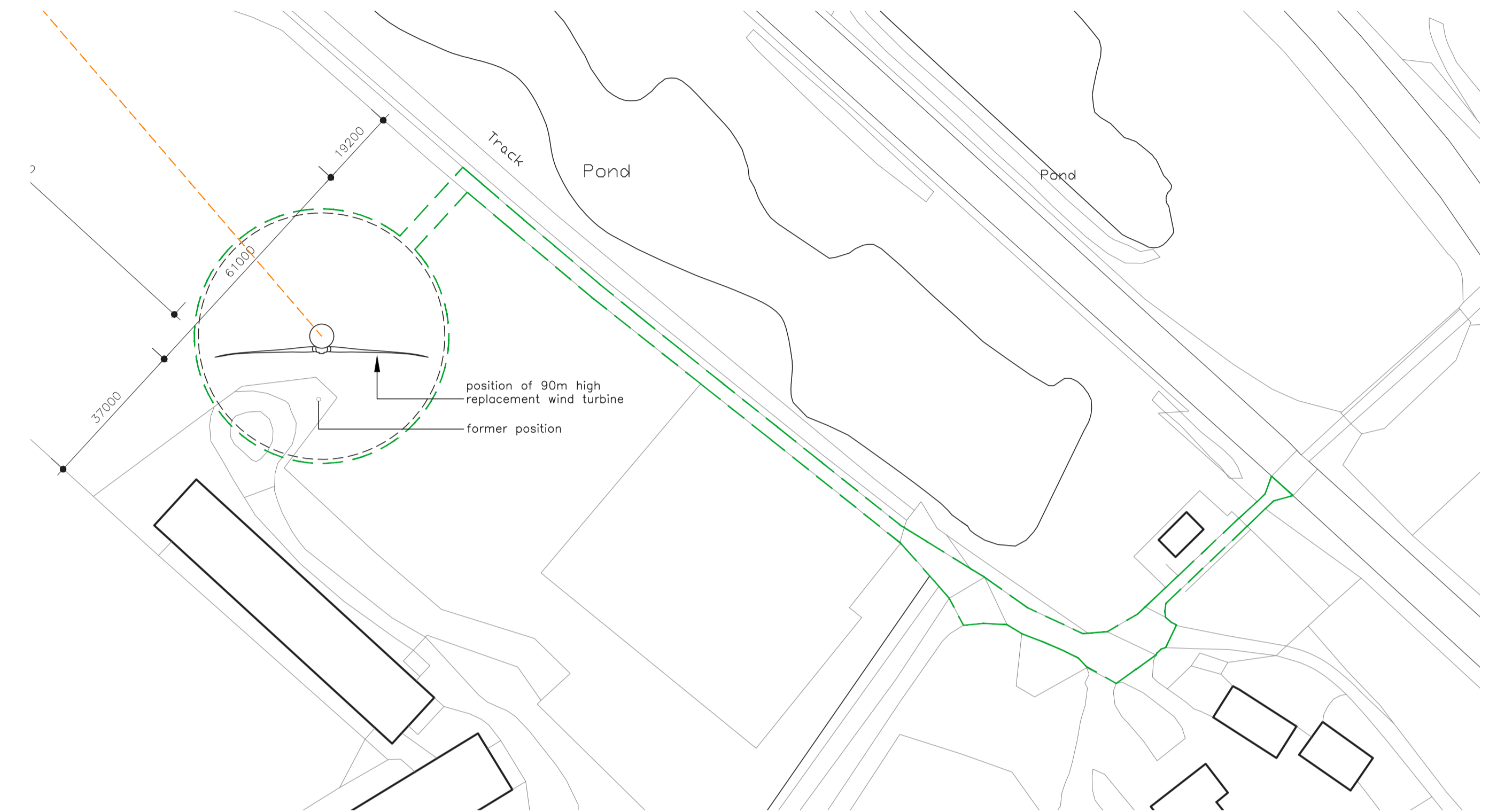
TECHNICAL CONSIDERATIONS

NOISE – A Noise Assessment has been undertaken within this application. The turbine has been sited so that there will be no noise impacts on neighbouring residents/users.

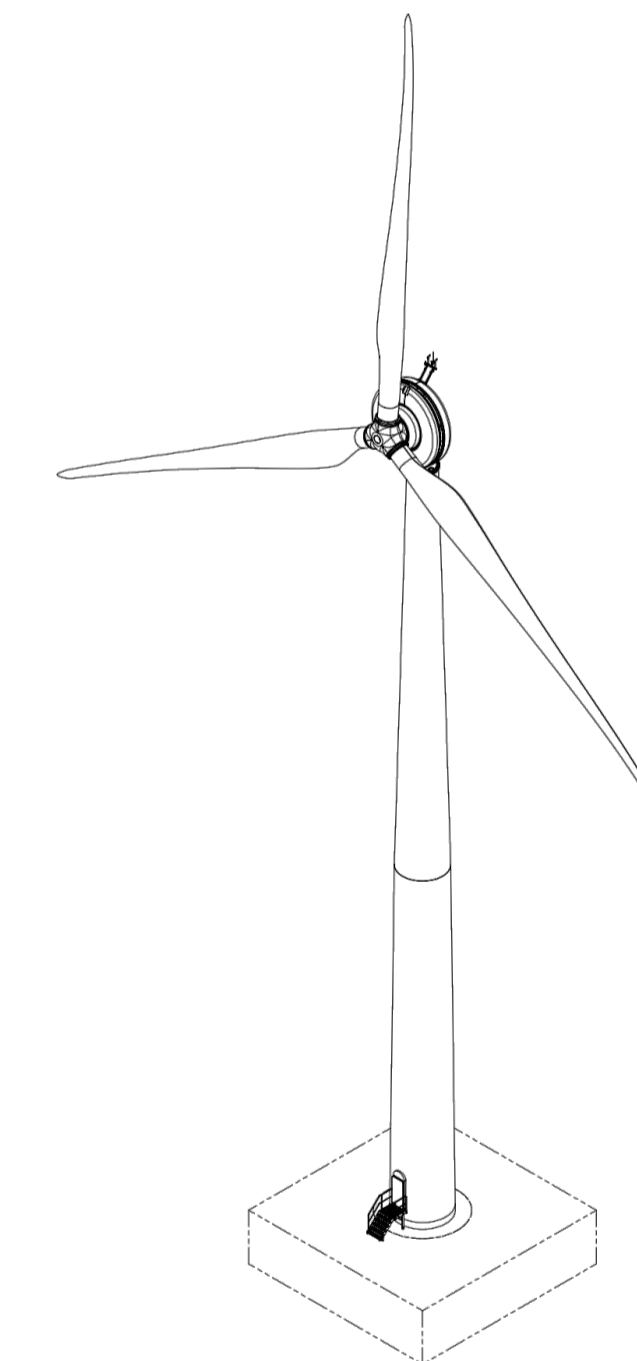
SHADOW FLICKER – The turbine has been positioned so that shadow flicker will not be an issue for surrounding residents.

ECOLOGY – An Ecological Impact Assessment has been undertaken which concludes the site provides limited habitats for birds, although some species such as Skylark and Grey Partridge could use the site on occasion. The site is considered to be of low value, and to ensure that there is no adverse impact, the turbine is sited more than 50m from the nearest linear feature or tree.

RADAR – Detailed assessments and consultations with key stakeholders have identified the proposed turbine height is acceptable.



Proposed Site Plan showing access arrangements



3D view of turbine